

ABSTRACT

A method of manufacturing a plastic encapsulated plastic structural member includes the steps of forming a mold having first and second mold parts which form an enclosed mold defining a cavity therein having a configuration the same as the configuration of this structural member to be formed. A core of wooden material having holes on each of two opposed surfaces is formed and positioned in the cavity so that pins on the mold parts engage the holes. A foamable plastic material and nitrogen is injected under low pressure into the cavity to cause the plastic material to foam up and fill the space between the core and the cavity all around the core. The plastic material is then allowed to harden to form a plastic layer around the core. The mold parts are then removed. The holes may be closed with the plug of additional plastic material.